



## **INTEGRATION WITH THE NETPG GATEWAY USING CGI/PERL**

<b>INTRODUCTION</b> .....	2
<b>PAYMENT SUBMISSIONS</b> .....	2
<b>PAYMENT PROPERTIES DESCRIPTION</b> .....	3
<b>SUBMITTING THE PAYMENT</b> .....	3
<b>REFUND SUBMISSIONS</b> .....	4
<b>REFUND PROPERTIES DESCRIPTION</b> .....	4
<b>SUBMITTING THE REFUND</b> .....	4
<b>DOWNLOADABLE FILES</b> .....	5

## **INTRODUCTION**

Using the NetPG gateway an authorized user can make credit or debit card payments from any SSL secure website.

This document explains how to use the features described in "NetPG Integration Guide" with CGI/Perl and the netpg.class.pm file.

To use the NetPG gateway you must have the following:

1. A valid merchant id
2. A NetPG account with UKFAST

## **PAYMENT SUBMISSIONS**

Lets take a look at this example:

```
#!/usr/bin/perl

use CGI;
use strict;
require "netpg.class.pm";

my $param=new CGI;
my $merchantid="0000018";
my $amount = $param->param("amount");
my $cardnumber = $param->param("cardnumber");
my $startmonth = $param->param("startmonth");
my $startyear = $param->param("startyear");
my $expirymonth = $param->param("expirymonth");
my $expiryyear = $param->param("expiryyear");
my $issue = $param->param("issue");
my $customername = $param->param("customername");
my $customeraddress = $param->param("customeraddress");
my $customerpostcode = $param->param("customerpostcode");
my $products = $param->param("products");

print "Content-Type:text/html\n\n";

my $response =
&Charge($merchantid,$amount,$cardnumber,$startmonth,$startyear,$expirymonth,
$expiryyear,$issue,$customername,$customeraddress,$customerpostcode,$products
);

print $response;
```

In line five, we have included the required perl module file.

After that we have set all the properties required for the payment to be sent.

## **PAYMENT PROPERTIES DESCRIPTION**

Below is a list of properties that can be passed by the NetPG object:

- **merchantid()** Your merchant id
- **amount()** The amount to be debited
- **cardnumber()** The card number to be debited
- **startmonth()** The cards start month
- **startyear()** The cards start year
- **expirymonth()** The cards expiry month
- **expiryyear()** The cards expiry year
- **issue()** The cards issue number
- **customername()** The card holders name
- **customeraddress()** The card holders address
- **customerpostcode()** The card holders post code
- **products()** A list of products / services that have been purchased

You can see what each of these properties values can be set to in the documentation "NetPG Integration Guide" in the "Parameters" section.

## **SUBMITTING THE PAYMENT**

Finally, we can send payment by using the Charge method:

```
$response = &Charge();
```

After submitting a payment, the variable \$response will contain the response back from the NetPG gateway.

For a list of these responses see the documentation "NetPG Integration Guide".

The included test file payment.cgi goes a bit further than the above example and proceeds to verify the payment was successful or not.

## **REFUND SUBMISSIONS**

Lets take a look at this example:

```
#!/usr/bin/perl

use CGI;
use strict;
require "netpg.class.pm";

my $param=new CGI;
my $merchantid="0000018";
my $amount = $param->param("amount");
my $crossreference = $param->param("crossreference");

print "Content-Type:text/html\n\n";

my $response = &Refund($merchantid,$amount,$crossreference);

print $response;
```

In line five, we have included the required perl module file.

After that we have set all the properties required for the refund to be sent.

## **REFUND PROPERTIES DESCRIPTION**

Below is a list of properties that can be passed by the NetPG object:

- **merchantid()** Your merchant id
- **amount()** The amount to be refunded, this cannot be greater than the original amount taken.
- **crossreference()** The cross reference number of the original transaction

You can see what each of these properties values can be set to in the documentation "NetPG Refund Integration Guide" in the "Parameters" section.

## **SUBMITTING THE REFUND**

Finally, we can send the refund by using the Refund method:

```
$response = &Refund();
```

After submitting a refund, the variable \$response will contain the response back from the NetPG gateway.

For a list of these responses see the documentation "NetPG Refund Integration Guide".

## **DOWNLOADABLE FILES**

You can download "NetPG + CGI Integration.zip" which will contain the following files:

**netpg.class.pm** – This file is required to send payments to our system if using our example scripts. It can also be included in your current site.

**payment.html** – Test submitting a payment, also uses the payment.cgi and netpg.class.pm files

**payment.cgi** – Submits a payment to the NetPG gateway using the values from payment.html

**\*\* note \*\***

Before using any of the above cgi files, you will need to set your MerchantID in the payment.cgi file, you may also need to alter the form action.